

LISTING OF CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) A transformer comprising:
a substrate comprising a semiconductor material;
a first conductor over the substrate, the first conductor defining a generally spiral-shaped signal path having at least one turn;
a second conductor over the substrate, the second conductor defining a generally spiral-shaped signal path having at least one turn; and
~~one, and no more than one,~~ a first magnetic layer over between the substrate and the first conductor, a second magnetic layer between the first conductor and the second conductor, and a third magnetic layer over the second conductor.
2. (Currently Amended) The transformer of claim 1, wherein the magnetic layers comprises cobalt.
3. (Currently Amended) The transformer of claim 1, wherein the magnetic layers comprises an amorphous alloy comprising cobalt.

4. (Currently Amended) The transformer of claim 1, wherein the magnetic layers comprises an amorphous alloy comprising cobalt and zirconium.
5. (Currently Amended) The transformer of claim 1, wherein the magnetic layers comprises an amorphous alloy comprising cobalt; zirconium; and tantalum, niobium, or a rare earth element.
6. (Original) The transformer of claim 1, wherein the second conductor lies over the first conductor.
7. (Cancelled)
11. (Previously Amended) A transformer comprising:
 - a substrate comprising a semiconductor material;
 - a first conductor over the substrate, the first conductor defining a generally spiral-shaped signal path having at least one turn;
 - a second conductor over the substrate and over the second conductor and defining a generally spiral-shaped signal path having at least one turn; and
 - a magnetic layer disposed between all of the spiral-shaped signal path of the first conductor and all of the spiral-shaped signal path of the second conductor.

16. (Previously Amended) The transformer of claim 1, wherein the first and second conductors are positioned such that at least a portion of one or more turns of the first conductor are each positioned adjacent to an inner side of at least a portion of one turn of the second conductor and such that at least a portion of one or more turns of the second conductor are each positioned adjacent to an inner side of at least a portion of one turn of the first conductor.

17. (Original) The transformer of claim 16, wherein the first and second conductors each lie over the magnetic layer.

20. (Currently Amended) A method comprising:

forming a first conductor over a substrate comprising a semiconductor material, wherein the forming the first conductor comprises forming the first conductor such that the first conductor defines a generally spiral-shaped signal path having at least one turn;

forming a second conductor over the substrate such that the second conductor defines a generally spiral-shaped signal path having at least one turn; and

forming ~~one and only one~~ a first magnetic layer over between the substrate and the first conductor, a second magnetic layer between the first conductor and the second conductor, and a third magnetic layer over the second conductor.

21. (Currently Amended) The method of claim 20, wherein the forming the magnetic layers comprises forming a magnetic layer comprising cobalt.
22. (Currently Amended) The method of claim 20, wherein the forming the magnetic layers comprises forming a magnetic layer comprising an amorphous alloy comprising cobalt.
23. (Currently Amended) The method of claim 20, wherein the forming the magnetic layers comprises forming a magnetic layer comprising an amorphous alloy comprising cobalt and zirconium.
24. (Currently Amended) The method of claim 20, wherein the forming the magnetic layers comprises forming a magnetic layer comprising an amorphous alloy comprising cobalt; zirconium; and tantalum, niobium, or a rare earth element.
25. (Original) The method of claim 20, wherein the forming the second conductor comprises forming the second conductor over the first conductor.
26. (Cancelled)

35. (Previously Amended) The method of claim 20, wherein the forming the first conductor and the forming the second conductor comprise forming the first and second conductors such that at least a portion of one or more turns of the first conductor are each positioned adjacent to an inner side of at least a portion of one turn of the second conductor and such that at least a portion of one or more turns of the second conductor are each positioned adjacent to an inner side of at least a portion of one turn of the first conductor.

36. (Cancelled)

38. (Cancelled)